

Amendment to the Specification (Clean Version)

Please rewrite the third paragraph on page 18 as follows:

FIG. 10A shows a spread-spectrum communication system that transmits a despreading signal having a time offset Δt_i from a transmitted spread-spectrum signal. Components shown in FIG. 10A are similar to the components listed in FIG. 9B. The modulator 94 modulates an information signal $s_n(t)$ from an information-signal source 90 onto a wideband signal generated by a wideband-signal source 92 for providing a spread-spectrum signal. The wideband signal may be any type of coded or noise signal. The wideband-signal source 92 and the modulator 94 are coupled to a transmitter 99. A wideband signal from the wideband-signal source 92 is delayed by at least one delay element, such as delay element 96.1, before being coupled into the transmitter 99. The transmitter 99 couples the spread-spectrum signal and the delayed wideband signal into a communication channel. The spread-spectrum signal may be delayed. For example, a delay element (not shown) may be coupled between the modulator 94 and the transmitter 99 instead of (or in addition to) the delay element 96.1 shown in FIG. 10A. At a receiver, at least one sample of the received transmission signal is delayed by an amount Δt_i in a correlator processor 169. The correlator processor 169 then matches the time-offset wideband signal to a desired spread-spectrum signal and thereby reproduces the embedded information-bearing signal as an output.

Amendment to the Specification (Marked Version)

Please rewrite the third paragraph on page 18 as follows:

FIG. 10A shows a spread-spectrum communication system that transmits a despreading signal having a time offset Δt_i from a transmitted spread-spectrum signal. Components shown in FIG. 10A are similar to the components listed in FIG. 9B. The modulator 94 modulates an information signal $s_n(t)$ from an information-signal source 90 onto a wideband signal generated by a wideband-signal source 92 for providing a spread-spectrum signal. The wideband signal may be any type of coded or noise signal. The wideband-signal source 92 and the modulator 94 are coupled to a transmitter 99. A wideband signal from the wideband-signal source 92 is delayed by at least one delay element, such as delay element 96 96.1, before being coupled into the transmitter 99. The transmitter 99 couples the spread-spectrum signal and the delayed wideband signal into a communication channel. The spread-spectrum signal may be delayed. For example, a delay element (not shown) may be coupled between the modulator 94 and the transmitter 99 instead of (or in addition to) the delay element 96 96.1 shown in FIG. 10A. At a receiver, at least one sample of the received transmission signal is delayed by an amount Δt_i in a correlator processor 169. The correlator processor 169 then matches the time-offset wideband signal to a desired spread-spectrum signal and thereby reproduces the embedded information-bearing signal as an output.

Remarks: Specification

The reference number 96, which is referred to as a delay element in Figure 10A, was changed to 96.1 in order to comply with the Examiner's recommendation. Although the delay element is a type of diversity encoder (which is also depicted by reference number 96), it is a specific example of a diversity encoder.